



### CLEAN COPIES OF CLAIMS

19. (Amended) A device having a surface relief structure which has a plurality of regions, wherein the regions include gray scale regions, which are too small to be separately resolvable to the human eye, being smaller than 0.25 mm in width,

each gray scale region being one of a limited number of different gray scale region structure types, each having a surface structure which diffusely scatters light in all directions, the different gray scale region types appearing, by reason of their differing diffuse scattering characteristics, to have different intensities when the device is illuminated by a light source and viewed by an observer from any direction.

24. (Amended) A device having a surface relief structure which has a regular array of regions, each region being too small to be separately resolvable to the human eye, being smaller than 0.25 mm in width, wherein a large number of regions are micrographic regions with diffuse scattering characteristics to diffusely scatter light in all directions, each micrographic region having one or more graphic elements, line art or text images presented in microscopic size in its surface relief structure so that each micrographic region appears to an observer to be a particular shade of gray when viewed from any direction.

29. (Amended) A device according to claim 28, wherein in addition to the diffracting regions, the device includes one or more non-diffracting regions which provide a contrast enhancing dark background to the diffraction image or images.

30. (Amended) A device according to claim 28, wherein in addition to the diffracting regions, the device includes one or more non-diffracting regions which provide gray scale enhancement to the diffraction image or images.

33. (Amended) A device having a surface relief structure which has a plurality of light scattering regions, each region having a number of structures which scatter incident light in all different directions, so that the region appears to an observer to be a particular shade of gray when viewed from any direction.

34. (Twice Amended) A valuable document incorporating a device according to one of claims 19, 24 or 33 including printing which matches up with, and appears when viewed to be continuous with regions on the device that appear when viewed to also be printed thereon.